



# DENV type 4 Envelope protein (32 kDa) (DAGA-088)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

### Antigen Description

Dengue fever is affected by 1 of 4 closely linked virus serotypes of the genus Flavivirus, family Flaviviridae. One might have dengue fever infected by the different serotype virus after the primary infection. Detection of particular antibodies to dengue viruses is used for the diagnosis in clinic. Recently, lateral flow rapid test products have become a most suitable and known method in the clinical diagnosis. Though, there is difficulty for manufacturers to have the dengue antigens with a whole coverage for Dengue IgG & IgM recognition for all 4 serotype infections as well as with colloid gold binding ability. 8 dengue antigens have been established for the lateral flow products which are well defined for their coverage of dengue IgG & IgM recognition. The researcher can select the products below based on their own specific application. Recombinant Dengue Virus Subtype 4 Envelope 32kDa, produced in E.coli and fused with a 6xHis Tag, containing domains I+II of the dengue envelope.

|                         |                                                                      |
|-------------------------|----------------------------------------------------------------------|
| <b>Purity</b>           | Protein is >95% pure as determined by 10% PAGE (coomassie staining). |
| <b>Conjugate</b>        | Unconjugated                                                         |
| <b>Applications</b>     | LFIA, ELISA                                                          |
| <b>Molecular Weight</b> | 32 kDa                                                               |
| <b>Stability</b>        | Stable at 4°C for 1 week. Please prevent freeze thaw cycles.         |
| <b>Format</b>           | Solution                                                             |
| <b>Size</b>             | 100 µg, 500 µg, 1 mg                                                 |
| <b>Buffer</b>           | Phosphate buffered saline, pH-7.4.                                   |
| <b>Preservative</b>     | None                                                                 |

|                |                     |
|----------------|---------------------|
| <b>Storage</b> | Stored below -18°C. |
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| <b>Ship</b> | Ice Packs |
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## BACKGROUND

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| <b>Keywords</b> | DENV; Dengue Virus Envelope Protein; DENV Envelope Protein; Dengue virus; DENV type 4 Envelope protein |
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